

Title (en)
PRESSURE CONNECTOR FOR PIPES

Title (de)
ROHRPRESSVERBINDUNG

Title (fr)
RACCORD DE TUYAUX A SERRER A LA PRESSE

Publication
EP 0988485 A1 20000329 (DE)

Application
EP 98936138 A 19980605

Priority
• DE 9801591 W 19980605
• DE 19725557 A 19970612

Abstract (en)
[origin: WO9857086A1] The invention relates to a pressure connector for pipes, comprising a pressure fitting having at least one section that is bulged crosswise and which accommodates a sealing ring, in addition to a first cylindrical section connected thereto and facing the insert side, a second cylindrical section facing away from the insert side forming a stop and exhibiting a smaller internal diameter than the first cylindrical section, and a line pipe whose smooth end area comes to rest on the stop of the second cylindrical section of the pressure fitting once it has been inserted into said pressure fitting. A fixed, tight pressure connection is formed using a pressure tool with at least two pressure cheeks encompassing the pressure fitting upon closure. During pressing, the pressing cheeks act upon the annular bulge and the sealing ring fitted therein, in addition to the first cylindrical section of the pressure fitting. The invention provides that the steep running side (8) of the annular bulge (4) facing the second cylindrical section (9) runs into the above-mentioned section (9) in a rounded form, devoid of irregularities. The internal diameter (10) of the second cylindrical section is the same as the internal diameter (13) of the inserted line tube (3) with a tolerance width of plus one half of the thickness of the wall (15) to minus 1 x the wall thickness of the inserted line pipe (3).

IPC 1-7
F16L 13/14

IPC 8 full level
F16L 13/14 (2006.01); **F16L 21/02** (2006.01); **F16L 37/12** (2006.01)

CPC (source: EP)
F16L 13/142 (2013.01); **F16L 37/091** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9857086 A1 19981217; AU 731561 B2 20010405; AU 8530598 A 19981230; BR 9810516 A 20000919; CA 2293624 A1 19981217; DE 19725557 C1 19990204; EP 0988485 A1 20000329; HU P0004066 A2 20010328; IL 133356 A0 20010430; JP 2002508826 A 20020319; NO 996125 D0 19991210; NO 996125 L 19991210; SK 171599 A3 20000612; TR 199902870 T2 20000522

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DE 9801591 W 19980605; AU 8530598 A 19980605; BR 9810516 A 19980605; CA 2293624 A 19980605; DE 19725557 A 19970612; EP 98936138 A 19980605; HU P0004066 A 19980605; IL 13335698 A 19980605; JP 50132699 A 19980605; NO 996125 A 19991210; SK 171599 A 19980605; TR 9902870 T 19980605